

Serial No. 09/606,897

-5-

RCA 89,817

REMARKS

The office action noted applicant's response of 10/23/03 was found by the examiner to be fully responsive. However, the examiner noted claim 12 had been cancelled by a previous amendment dated 1/14/02, and was not listed as such. Hence the amendment proposed to claim 12 in applicant's response of 10/23/03 was NOT ENTERED.

Applicants thank the examiner for noting this discrepancy. Applicants hereby cancel all previous claims remaining in the case and submit new claims 25-31.

An RCE is filed herewith. Therefore, the drawing informalities noted in Paper No. 6, mailed on 9/20/01, will be submitted upon notification of allowance.

35 U.S.C. 112, second paragraph

It is believed that new claims 25-31 clearly define applicant's invention.

The office action noted the application currently names joint inventors. In considering patentability of the new claims under 35 U.S.C. 103(a), applicant hereby advises the office that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made. Applicant is aware of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Serial No. 09/606,897

-6-

RCA 89,817

The office action cited Tania et al for disclosing a DVD system having as part and parcel thereof, the appropriate- data management areas, including PGC1 (program chain information), as well as jump commands and the ability to select/modify the playback accordingly - see col. 34 lines 30 plus for instance, col. 35 lines 30-57 with respect to figures 64 and 65.

The office action states Tania et al fails to disclose a clear depiction of "deleting". The office action states the ability to edit information/delete for example is found in either Noguchi et al or Abecassis.

However Neither Noguchi or Abecassis disclose apparatus or means for defining a portion of a recorded program to be edited by providing a portion start address corresponding to a first location on the storage medium and providing a portion end address corresponding to a second location on the storage medium.

Further, neither Noguchi nor Abecassis disclose methods or apparatus for, upon user selection of at least one user-selectable program editing command, modifying at least one address of Video Title Set Information (VTSI) for the recorded program based upon at least the first location on the disk.

The office action states Noguchi et al discloses a digital recording/reproducing system and method wherein a cell is divided into sub-cells/units as noted in figure 3 and its disclosure. However, these sub cells of Noguchi are more than three. The sub cells exist before any editing occurs. Further the sub cells of Noguchi do not become new cells as a result of any editing process. In contrast, applicants invention claims that the first and third portions are provided with end and start addresses, therefore creating two

Serial No. 09/606,897

-7-

RCA 89,817

new cells. Noguchi fails to disclose any method or means for portioning an existing cell into first, second and third cell portions; the second cell portion comprising the program portion to be edited.

Therefore applicants editing step provides two new cells, i.e., cells that did not exist before the editing step. The portion to be edited, e.g., deleted, is no longer provided with a cell address and therefore is not included in playback.

In Abecassis, to provide for the option of editing out the element identified as 31i, the program map includes an additional segment definition 321. This segment definition corresponds to elements already existing before any editing is carried out. (See Abecassis col 9, lines 34-40.

Specifically, Abecassis fails to teach portioning a single cell, including a program portion to be edited, into three cell portions, as claimed by applicant.

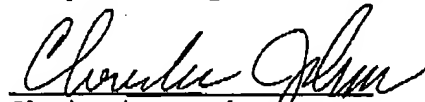
With respect to the Drawings, upon indication of allowance or sooner, the Applicant will provide formal drawings meeting the requirements of paper number 6.

Accordingly, applicants believe the new claims are allowable and respectfully request allowance thereof at an early date.

Applicant invites the Examiner to call the undersigned if it is believed that a telephonic interview would clarify any issues raised herein.

Respectfully submitted,

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Christine Johnson  
Registration No. 38,507  
609-734-6892

Patent Operation  
Thomson Licensing, Inc.  
P. O. Box 5312  
Princeton, NJ 08543-5312